



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO VOLUME XV.

A

Academy, Royal, 33, 65
 Acclimatization, society of, in South Africa, 35
 Adams, W. Bridges, iron permanent way, 170
 ———, human excreta, 688
 ———, street and road foundations, &c., 712
 Address, chairman's opening, 1
 Adulteration of food, see "Food Committee"
 ———, reported, of German sugar, 184
 Aeronautical experiments in France, 479, 511, 513, 607, 619, 771
 ———, society of Great Britain, 581
 Affleck, Thos., supply of food from Texas, 164
 African exploration, French, 35
 Agra exhibition, 181, 265, 347
 Agricultural prize in France, 50, 631
 ——— produce in Turkey, 60
 ——— societies in Victoria, 67
 ——— implements, 81; in America, 89
 ——— society, deputation to the, 254
 Aitken, W. C., on arrangements for artisans' visits to Paris, 668
 Albert hall of arts and sciences, opening of, 435; letter of Col. Scott, 476
 ——— medal, award of, 524
 Algeria, Riga flax in, 268
 Alkali works, report of government inspector, 553
 Alpaca in New South Wales, 606
 Amber in Australia, 679
 American gold, 106
 ——— railway travelling, 187
 Anchors, see "Cables"
 Arbitration between masters and workmen, 640
 Archaeological institute, royal, 66
 Architectural congress at Paris, 302, 616
 Architecture, British, at the Paris Exhibition, 105
 ———, Indian, the study of, by James Fergusson, 71
 ———, Paris, central school of, 768
 Archives, museum of, in France, 595, 705
 Art juries, election of, in France, 232
 ——— and art education in Paris, 104
 ——— club, new, 33
 ——— copyright, 526
 ———, presentation of works of, to public establishments in France, 667
 ———, college of applied, at Paris, 462
 ———, schools of, 605; in France, 426
 ——— in Rome, 184
 ——— at the Paris Exhibition, see "Exhibition"
 Art-workmanship and educational prizes, and the goldsmiths' company, 157
 ——— competition, report of the judges on the, 159, 173
 ———, catalogue of works sent in, 97
 ———, offer of prize by the Clothworkers' company, 69
 ——— prizes for, in 1868, 482, 523, 587, 634, 695
 Artisans' visits to the Paris Exhibition, see "Exhibition"
 Arundel Society, 462, 542
 Ashe, Mr., *disc.* (old London), 60; (art-workmanship), 162
 Asphalte, 233, 749

Atkinson, J. B., *disc.* (old London), 60; (Indian architecture), 78
 Australia, exporting wool to America, 218
 ———, bootmaking, in 218
 ———, tea cultivation in, 91
 ——— and the financial crisis, 18
 ———, north, exploration of, 107, 186, 715
 Australian aborigines, language of the, 199
 ——— colonies, progress of the, 750
 ——— leeches, 230
 ——— mineral statistics, 555
 Austria, sericulture in, 118

B.

Bachhoffner, Dr., *disc.* (water supply), 215
 Balance sheet, &c., 498
 Bamboo, the, 91
 Bartley, G. C. T., *disc.* (old London), 59
 Baxter, George, notice of the late, 154
 Beasley, Mr., *disc.* (cables) 331
 Beet sugar in the United States, 371; history of, 494; expected crop, 595
 Beggs, Thomas, the water supply of London, as it affects the interests of the consumer, 208
 Belcher, Rear-Admiral Sir Edwd., *chairman* (marine legislation), 121
 Belgian Academy of Sciences, prizes offered, 495
 Bellangé, exhibition of works of, 88, 182
 Besançon, watchmaking at, 268
 Bethell, John, *obituary*, 285
 Bethnal Green, museum of science and art at, 35
 Betterly, Mr., *disc.* (cables), 330
 Binns, R. W., Lowestoft porcelain, 511
 Birds' nests, artificial, 35
 Birmingham manufactures, 166
 Bishop, Mr., *disc.* (cattle), 45; (old London), 59; (flax), 299
 Black, Mr., *disc.* (old London), 59
 Blackie, Mr., *disc.* (zinc sheathing), 367; (arms), 406; (slate cutting machinery), 425
 Blaine, D. R., *disc.* (flax), 299
 Blashfield, Mr., *disc.* (telegraphy), 227
 Blasting, nitro-glycerine for, 94, 733
 Boiler explosions, 594, 713; household, 370
 Boilers, strengthening the man-holes of, with mouth-pieces, 137
Bombus cynthia, the, 746
 Bonelli, Chev., *obituary* of, 751
 Bonnewell, W. H., *disc.* (storm signals), 248; (type-writing), 388
 Bonser, Mr., *disc.* (cattle), 47
 Botanical nomenclature, 692
 Bootmaking in Australia, 218
 Botly, Mr., *disc.* (old London), 59; (iron permanent way), 145; (cabs), 179; (water supply), 215; (flax), 298; (dwellings), 315; (zinc sheathing), 367; (arms), 406; (slate cutting machinery), 423; (water supply), 235, 474, 496
 Bottle corks, manufacture of, 33
 Brazil, sugar and coffee, 462
 Breach-loading small arms, Captain O'Hea, 400
 Bridges, foot, across streets, 632, 728
 British Association, Dundee, 1867, 615; opening of, 649; list of papers read, 659
 ——— Mr. Fernie's paper on iron and steel at the Paris Exhibition, 687

British Association. iron ship-building of Dundee, by Henry Gourlay, 699
 British Institution, the, 579
 Bronzed cast iron, Tucker's, 549
 Buckland, Frank, *disc.* (pearl fishery), 261
 Burgh, N. P., work on marine engineering, 427
 Buttons, self-fastening, 17

C.

Cab-fares, the existing legal regulations in reference to, by Henry Cole, 175
 ——— letters, by E. Chadwick, 201; F. W. Campin, 203; Dr. George Wyld, 218; Hyde Clarke, 218; J. Leighton, 218; "Member of the Society of Arts," 251; Sir Cusack Roncy, 179
 Cabs, the "Course" system for London, by John L. Haddan, C.E., 197
 Cab system at Paris, change in, 581
 Cables, the operation of the Chain Cables and Anchors Act, R. Galloway, 327
 Caithness, Lord, *disc.* (cables), 330
 California, products of, 184; ship-building in, 66
 Calvert, F. Crace, on carbolic acid, 729
 Campin, F. W., letters on the cab question, 203; *disc.* (cattle), 47; (art-workmanship), 162; (cabs), 179; (telegraphy), 228; (flax), 299; (zinc sheathing), 367; (type writing), 388
 Canadian railways and telegraphs, 94
 Cantor lectures, William Chaffers "On pottery and porcelain," see "Chaffers"
 ———, John Hullah "On music and musical instruments," see "Music"
 Cape of Good Hope, precious stones, 703
 Carbolic acid, F. Crace Calvert, on, 729
 Cattle, trade in foreign, by John Irwin, 37; letter by Major Dwyer, 68
 ——— market, central of Paris, 748
 Cave, Rt. Hon. Stephen, *chairman* (oyster culture), 275
 Central Pacific Railway, 606
 Centrifugal gun, Dr. Steinheil, 426
 Chadwick, Edwin, C.B., on the economy of telegraphy as part of a public system of postal communication, 222, 286, 720
 ———, *disc.* (dwellings), 313
 ———, letter on the cab question, 201
 Chaffers, W., lectures on pottery and porcelain, 141, 158, 173, 191, 206, 417, 433
 Chaffins, Mr., *disc.* (illumination), 196
 Charley, W., flax, 335
 Chassepot gun, the, 184
 Chester, Harry, *disc.* (opening meeting), 6; (cattle), 46
 Chevrenul's work on chemistry, 82
 Chimney sweeping, new machine for, 94
 Christy, Mr. (breach-loading arms), 406
 Citric acid, 185
 Civil service, geography, work edited by Mr. Thos. Gray, 715
 Clarke, Hyde, on the cab question, 218
 ———, on Indian architecture, 95
 Clothworkers' company, offer of an extra prize by the, 69
 Clutterbuck, Rev. J., *disc.* (water supply), 472
 Coal in Tasmania, 138
 ——— cutting by machinery, 217, 268
 ——— exports, 91, 107

Coal, New Zealand, 186, 728, 750
 — in Poland, 349
 — in Prussia, 691
 — and coal mining, W. W. Smyth, 334
 Coffee, plantations and the "borer," 750
 Coinage, miniature, for the island of Malta, 155
 Cole, Henry, on the existing legal regulations in reference to cab-fares, 175; *disc.* (Indian architecture), 76
 —, Lambeth library, 698
 Collodion, a new substitute for, 19
 Colonies, the British, at the Paris Exhibition, by P. L. Simmonds, 110
 Commerce and currency, 87
 —, chambers of in France, 770
 —, French, progress of, 426, 679
 Commercial school of Paris, 769
 Concrete walls, 314, 317, 334
 Conference, 16th annual, announcement of, 441, 465; report of, 499, 513
 Conversazione, 459
 Conisbee, Mr., *disc.* (flax), 298
 Cooke, Christopher, storm signals and forecasts, 120, 242
 Cooke, W. Fothergill, on machinery for cutting slate, stone, &c., 419, 439
 Cooking apparatus, Norwegian, 664
 Cooper, Mr., *disc.* (water supply), 216
 Co-operative system in Switzerland, 184
 Coral fishery on the coast of the island of Sardinia, 106
 Corks, bottle, manufacture of, 33
 Corn, harvesting, see "Harvesting"
 Cotton, cultivation of, in the Bombay presidency, 136
 — in Queensland, 139, 580, 763
 — in the French colonies, 118
 — in South Carolina, 640
 — manufactures, Tuscan, 303
 — trade, state of, 250, 479, 654; supply, 714
 Council, list of, 529
 Councils, equitable, for masters and workmen, 640
 Courts of justice, new, 169, 199
 Cousin, Victor, notice of the late, 155
 Crace, J. G., old London, its streets and thoroughfares, 53
 Crawford, J., *disc.* (Indian architecture), 77
 Creusot, industrial education at, 666
 Crewe, Mr., *disc.* (flax), 298
 Crispe, Dr., *disc.* (cattle), 46
 Cruickshank, George, *disc.* (dwellings), 315
 Cuban exports, 66
 Curley, Mr., *disc.* (type writing), 388
 Currency and commerce, 87
 —, international, 90

D.

Dalton, W. H., *chairman* (slate and stone-cutting machinery), 419
 Danvers, J., *disc.* (iron permanent way), 148
 Dates, rules for verifying, J. G. Bond, 93
 Davis, John, *disc.* (telegraphy), 227
 Daw, Mr., *disc.* (breach-loading arms), 406
 Dawson, Commander, *disc.* (marine legislation), 128
 Defries, D. N., on artificial illumination, 193
 Denmark, Norway, and Sweden, merchant navy of, 91
 Denton, J. Bailey, water-supply of metropolis, 466, 495; *disc.* (cattle), 45
 —, work on the water question, 199
 Deposit bank for seamen, 119
 Diamond-boring machine, 349
 Dibley, E., *disc.* (limited liability), 29
 Dines, Mr., *disc.* (breach-loading arms), 406
 Dircks' work on inventions, 595
 Donaldson, Sir Stuart, notice of the late, 139
 Doré, Gustave, the number of his works, 749
 Drach, S. M., letter on limited liability, 83; *disc.* (old London), 59
 Dwellings for the working classes, 218; Dr. T. Hawksley, 308, 335
 Dwyer, Major F., letter on trade in foreign cattle, 67

E.

Education, middle-class, state of, 751
 —, primary, discussion at Conference, 513
 —, popular, in France, 87, 187; special, 232

Education, popular, in Germany and Switzerland, 111, 151
 —, professional, of girls in France, 644
 —, industrial, and the Paris Exhibition, letters of Lord Granville, Dr. Playfair, Dr. D. S. Price, &c., 477; letter of Mr. Merrifield, &c., 491; paper by James Kitson, and letter by H. Cole, 581; report of schools inquiry commission, 601, 612, 624
 —, at Creusot, 666
 —, in Austria, 675
 —, horological schools in France, 701
 —, and the city companies, 704
 —, university, in Spain, 19
 —, and recruiting, 48
 —, as preventing crime, 303
 Educational congress at Birmingham, 764
 Eggs, production and consumption of, 550
 Egypt, the state of, 616
 Electric telegraph, the, 35
 Elt, Mr., *disc.* (cabs), 179; (illuminating), 196; (water supply), 214
 Emigration, 19, 607
 Engines, steam, the value of, exported, 33
 Examinations, special prizes, 221, 272; new examiners appointed, 305; list of local boards, 341; list of prizes and certificates awarded in 1867, 442, 465, 485, 549; examiners' remarks, 604; tabular statements, 506; programme for 1868, 558
 —, papers set in 1867, 547, 577, 592, 600, 611, 623, 637, 647, 658, 673, 685, 696
 Excreta, human, W. Bridges Adams, 688
 Exhibition, industrial, of the north-west provinces of India, at Agra, 181, 265, 347
 —, of historical portraits in Paris, 232
 —, the Paris *salon*, 388
 —, Melbourne intercolonial, 85, 233
 —, intercolonial, at Sydney, 51
 —, agricultural, at Sydney, 643
 —, metropolitan and provincial working classes' industrial, 135
 —, of the works of Bellangé, 88, 182
 —, Ingres, 250, 370
 —, at Pau, 184
 —, Pernambuco, 95
 —, Rouen, 104
 —, of fishery at the Hague, 167
 —, international maritime, at Havre, 493
 —, Dublin, P. L. Simmonds' description of, 82
 EXHIBITION, PARIS UNIVERSAL, OF 1867:—
 And industrial education, see "Education"
 Art at the, 264, 349, 369, 390, 408; Owen Jones's letter on, 409
 Artisans' visits to, 337, 354, 413, 429, 475, 482, 497, 513; government grant of £500, 527, 533, 545, 557, 574, 586, 599, 609, 621; list of those sent, 646, 657, 668, 669, 681, 695, 741
 At Billancourt, 686
 British architecture at the, 105
 British colonies at the, by P. L. Simmonds, 110, 169
 Catalogue, English version of, 543
 Cités ouvrières at Mulhouse, 639
 Cooking apparatus, Norwegian, 664
 General notices of, 16, 30, 48, 83, 94, 102, 133, 150, 180, 230, 249, 263, 300, 332, 345, 408, 437, 459, 476, 490, 509, 529, 578, 593, 605, 629, 639, 649, 664, 674, 686, 698, 705, 747, 762, 767
 Glass, 509, 747
 Jurors' awards, remarks by the Abbé Moigno, 655
 List of jurors, 63, 317
 List of prizes to British exhibitors, 536, 549, 555; Emperor's speech at distribution, 539
 Machinery at, 48, 300, 437, 540
 Meeting at Kensington, 133
 Minerals, ores, &c., 459
 Musical section, committee, 250
 Opening of, 318
 Position of inventors at, 251, 333
 Post-office at the, 187
 Pottery and porcelain, 490, 747
 Purchase of articles by government, 605
 Restaurant omnibus, 604
 Russia at the, 185
 Safes, trials of, 630, 639
 Special prize for organisation, &c., 102

Textile fabrics, 529
 United States and the, 187
 Visit of Society of Arts to, 533, 557, 573, 586, 597, 622
 Visits of art teachers, 391
 — of Italian workmen to, 723
 Watches, &c., 490, 593
 Exports of South Australia, 51
 —, Cuban, 66
 —, and imports of the United Kingdom, 91
 —, coal, 91, 167

F.

Factories, prevention of accidents, 654
 Faraday, Professor, obituary of, 643
 Farrer, T. H., storm warnings and weather reports, 67
 Fees, payment of, by stamps, 80
 Felkin's work on lace, &c., 391
 Fergusson, Sir James, *chairman* (Indian architecture), 69
 Fergusson, James, on the study of Indian architecture, 71
 Fibre, Piassatao, 33
 Fibres, woolly, structure of, 571
 Fibrous materials, new, 571
 Field, Edwin, *disc.* (limited liability), 23
 Figgins, Mr., jun., *disc.* (limited liability), 29; letter on ditto, 62
 File, large, 770
 Finland, commerce of the grand duchy of, 33
 Fire-proof dress, M. Champy, 607
 Fish-hook machinery, 770
 Fishery exhibition at the Hague, 167
 Flax, &c., C. F. T. Young, 293; J. C. Wilson, 320; W. Charley, 335; H. Gardner, 511
 Flax, Riga, in Algeria, 268
 Fontainemoreau, on the position of inventors at the Paris Exhibition, 251, 333
 FOOD COMMITTEE:—
 Adulteration, correspondence with Home and Foreign Secretaries of State, 305
 —, French laws against, 380
 —, Belgian law against, 489
 —, Norway and Denmark, 590
 Appointment of, 69
 Appointment of sub-committees, 189
 Borwick's baking powder, and ozonized cod liver oil, 610
 Correspondence as to *Extractum carnis*, 109
 Dr. Thudichum's evidence, 237; memorandum on Liebig's *Extractum carnis*, 253; Mr. Chester's report, 273
 First meetings of sub-committees, 205
 First report to the council, 524
 Fish—Mr. G. W. Hart's evidence on oyster culture, 485; Mr. Cahrlies' evidence, 535; Mr. Powell's evidence, 640
 Meat—Mr. Tindal's evidence, 289, 303; Mr. McCall's evidence, 289, 439; Mr. A. Slater's evidence, 338; Dr. A. S. Taylor's evidence, 375; examination of case of provisions preserved for 41 years, 379; Mr. H. Grainger's evidence, 414; Mr. Gebhardt's evidence, 430; Messrs. Medlock and Bailey's process, 675
 Milk—Cow keeping, Mr. Sturgess, 253, 290; Mr. Alex. Wood's evidence, 321; Mr. Nicholson's evidence, 324; Mr. W. Hope's evidence, 355; Mr. Brook's evidence, 357
 Mr. Chester's opening statement, 99
 Mr. Riddle's plan for supplying hot dinners, 765
 Medical statements as to the importance of the question, 101
 Norwegian cooking apparatus, 765
 Preservation of meat by ice, 657
 Professor J. Wilson's evidence as to Mège Mouri's process, 394
 Food, supply of, from Texas, Thos. Affleck, 164
 —, prices of, in Victoria, 168
 Fothergill, B., *disc.* (flax), 298
 France, imports and exports of, 680, 679
 —, population of the principal towns of, 187
 —, election of art juries in, 232
 —, fish and oysters in, 268
 —, education in, 87, 187; special, 232
 —, new museums in, 104
 —, proposed agricultural prize in, 50, 631
 —, road system in, 679
 —, salt works in, 154
 —, scientific congress in, 51

Friendly societies, report on, 737
Fruit and vegetables in India, 169
— or potatoes, economical way of preserving, 119

G.

Galloway, W. B., *disc.* (old London), 60; (water supply), 215; (telegraphy), 227; (flax), 299; (dwellings), 315; (cables) 331; (zinc sheathing), 367; (type writing), 388
Galloway, R., on the chain cables and anchors act, 327
Gardner, H., on flax machinery, 511
Gas-lighting, 334
— managers, association of, 463
—, London, Prof. Frankland, 580
—, new, 119
Gaster, F., *disc.* (storm signals), 247
Gavarni, notice of the late, 34
Germany, mining education in, 113
— and Switzerland, popular education in, 111, 151
Gerstenberg, I., *disc.* (limited liability), 26
Gladstone, T. M., *disc.* (cables), 331
Glass, Venetian, 758
Glycerine glue, 493
Godwin, G., *disc.* (art-workmanship), 163
Gold mining in New South Wales, 34
— in Italy, 82
—, American, 106
Goldsmiths' company, offer of an extra prize by the, 157
Gourlay, H., the iron ship building at Dundee, 699
Graham, P., *chairman* (flax), 293; *disc.* (Indian architecture), 78
Granite working, 137
Grass, tree, 618
Graves, Samuel Robert, *chairman* (telegraphy), 221
Gray, Thomas, *disc.* (marine legislation), 130
Greatorex, Rev. Mr., *disc.* (marine legislation), 129
Guano, supply of, 617
Guiana, local exhibition at, 333
Gun, Chassepot, the, 184
—, centrifugal, 426
Guy, Joseph, notice of the late, 155

H.

Haddan, John L., C.E., the "course" system for London cabs, 197
Haddan, Mr., *disc.* (zinc sheathing), 366
Hague, fishery exhibition at the, 167
Hancock, Mr., *disc.* (telegraphy), 228; flax, 299
Harper, Mr., *disc.* (marine legislation), 130
Hartley, Mr., *disc.* (cabs), 179
Harvesting corn in wet weather, prize for essay on, 365, 394, 524
Havre, sanitary measures at, 771
Hawes, Wm., paper on limited liability in its relation to manufactures and commerce, 21; *chairman* (illumination), 193; *disc.* (art workmanship), 162; (telegraphy), 228; (dwellings), 313
Hawksley, Dr. T., on cheap and healthy dwellings for the working classes, 308, 335
Henbane, English, R. Usher, 282
Hereford, the Dean of, notice of the late, 269
Herring fishery, the Norwegian, 185
Hill, Frederic, *disc.* (cabs), 177
Hittorff, M., *obituary*, 351
Holliday, Mr., *disc.* (art-workmanship), 162
Homersham, S. C., *disc.* (water supply), 213, 471
Hops, cultivation of, 410
Horse-shoeing, new method of, 703
Hosiery, machine wrought, &c., W. Felkin, 391
Howe, Elias, *obituary*, 763
Hulsh, Captain, notice of the late, 155
Hulph, John, lectures by. [See "Music."]
Munter, Captain, *disc.* (marine legislation), 128

I.

Ice-making machine, 580
Illumination, artificial, by D. N. Defries, 193
Immigration, 750
Imports and exports of the United Kingdom, 91

India, fruit and vegetables in, 169
— rubber, deodorising, 62
— museum, the, 140
—, statistical abstract relating to, 641
—, new telegraph to, 715
Indian architecture, the study of, by James Fergusson, 71; letter on, Hyde Clarke, 95
Ingres, J. A. D., notice of the late, 168; exhibition of the works of, 250, 370
Inventions and science, Liverpool gallery of, 119
Inventors and inventions, work by H. Diercks, 595
Institutions, rating of, 217, 544
INSTITUTIONS, PROCEEDINGS OF:—
Ashford, S. E. Railway Mechanics' Institution, 637
Avenham (Preston) Institution for the Diffusion of Knowledge, 729
Bacup Mechanics' Institution, 217
Banbury Mechanics' Institution, 599
Belfast Peoples' Literary Institute, 599
Bolton Church Institute, 757
Carlisle Mechanics' Institution, 547
Chippenham Literary and Scientific Institution, 547
Chorley Mechanics' Institution, 623, 729
East Lancashire Union, 30, 536
Hastings Mechanics' Institution, 407
Huddersfield Mechanics' Institution, 696
Hunslet Mechanics' Institution, 591
Lancashire and Cheshire Union, 62, 317, 745
Lancaster Mechanics' Institution, 611
London, Bank of England Library and Literary Association, 262
—, Birkbeck Institution, 745
—, Metropolitan Association for the Education of Adults, 459
—, Westminster Working Men's Club, 263
Macclesfield Useful Knowledge Society, 132
Manchester Mechanics' Institution, 85
Marlborough Reading and Mutual Improvement Society, 62, 230
Pendleton Mechanics' Institution, 300
Rawtenstall Mechanics' Institution, 62
Ryde Literary Institution, 637
Sherwood Mutual Improvement Society, 282
Whitby Institute, 646
Wigan Mechanics' Institution, 637
Yorkshire Union, 48, 164, 658, 685, 719
Iron trade, the, 106
— in Tasmania, 118
—, results of the recent strikes in the, 117
— permanent way, letter by W. Bridges Adams, 170
—, by T. A. Roohussen, 142, 187
— and steel at the Paris Exhibition, J. Fernie, 687
Irwin, John, trade in foreign cattle, 37
Italy, agricultural prospects, 702
—, means of transport in, 714
—, universities of, 716
—, gold mining in, 82

J.

Jackson, James, *disc.* (marine legislation), 129
Jeffreys, Gwyn, *disc.* (pearl fishery), 261
Joiners' work, importation of, from Stockholm, 94
Jones, Mr., *disc.* (anchors and cables), 332

K.

Kaolin, 154
Kensington Museum, contrivance for the exhibition of numerous drawings, 166
Kerr, Professor, *disc.* (dwellings), 315
King, Mr., *disc.* (illumination), 196
Kitchens, public, in Paris, 570
Krupp's steel works, Essen, Rhenish Prussia, 31

L.

Laboratory, the, new journal, 334
Lambeth library, letter from Mr. Cole, &c., 698
Larkins' handbook of literature, 751

Latham, Baldwin, *disc.* (water supply), 215
Lawrence, Alderman, *disc.* (cabs), 177
Leach, Mr., *disc.* (marine legislation), 129
Lecky, R. G., *disc.* (slate-cutting machinery), 424, 439
Leeches, Australian, 233
Leighton, John, letter on cabs, 218
Life buoys, 170
Limited liability in its relation to manufactures and commerce, by Wm. Hawes, 21; letter by J. Figgins, jun., 52; letter by S. M. Drach, 83
Lint, tissue paper as a substitute for, 19
Literature, Larkins' handbook of, 751
Liverpool gallery of inventions and science, 119
Livesey, Mr., *disc.* (iron permanent way), 149
Lobb, Harry, on oyster culture, 276
Lobsters, 186
Lockhart, Mr., *disc.* (storm signals), 248
Locomotive, road, 35
London, old, its streets and thoroughfares, by J. G. Grace, 53
Louvre, additions to the, 117, 409
Lowestoft porcelain, 49, 511

M.

Mac Gregor, John, *chairman* (breach-loading arms), 409
Maekay, Mr., *disc.* (marine legislation), 130
Maekenzie, J. H., *disc.* (pearl fishery), 262; (telegraphy), 227
Maekie, S. J., on zinc sheathing for iron ships, 359
Maizena, colonial, 679
Mallet, R., *disc.* (iron permanent way), 155
Malta, miniature coinage for the island of, 155
Manure of cities, the, 270
Markham, Clements R., the Tinnevely pearl fishery, 256
Martin, Thomas, F.R.C.S., notice of the late, 233
Mayer, Mr., *disc.* (storm signals), 247
Mayne, Sir Richd., *chairman* (cab fares), 175
Meat, preserved, 92
Medals, award of, 21, 523
Meeting, annual general, 523
MEETINGS, ORDINARY, of the 113th Session.
1st Meeting:—Opening address by Sir Thomas Phillips, Q.C. chairman of council, 1
2nd Meeting:—"On Limited Liability, in its relation to manufactures and commerce," by William Hawes, 21
3rd Meeting:—"Trade in foreign cattle," by John Irwin, 37
4th Meeting:—"On Old London, its streets and thoroughfares," by J. G. Grace, 53
5th Meeting:—"On the study of Indian architecture," by James Fergusson, F.R.S., 71
6th Meeting:—"On mercantile marine legislation, as affecting the number and efficiency of British seamen," by Capt. Henry Toynbee, 122
7th Meeting:—"The iron permanent way in use on German railways," by T. A. Roohussen, 142
8th Meeting:—"Report of the judges on the art-workmanship competition," 159
9th Meeting:—"On the existing legal regulations in reference to the cab fares in the metropolis, and their effect in rendering the vehicles inferior to those provided in other European capitals and the large municipal towns of this country," by Henry Cole, C.B., 175
10th Meeting:—"On artificial illumination," by D. N. Defries, 193
11th Meeting:—"The water supply of London as it affects the interests of consumers," by Thomas Beggs, 208
12th Meeting:—"On the economy of telegraphy as part of a public system of postal communication," by Edwin Chadwick, C.B., 222
13th Meeting:—"Storm signals and Forecasts, their utility and public importance with respect to navigation and commerce," by Christopher Cooke, 242
14th Meeting:—"The Tinnevely pearl fishery," by Clements R. Markham, 256
15th Meeting:—"Successful oyster culture," by Harry Lobb, 276
16th Meeting:—"Flax, and improved machinery for its preparation," by Charles F. T. Young, 293

- 17th Meeting:—"Suggestions for a mode of supplying cheap and healthy dwellings for the working classes, with security and profit to the inventor," by Dr. Thomas Hawksley, 308
- 18th Meeting:—"On the operation of the Chain Cables and Anchor Act, 1864," by Robert Galloway, 327
- 19th Meeting:—"On the construction of iron ships, and their preservation from corrosion and fouling by zinc sheathing," by S. J. Mackie, 359
- 20th Meeting:—"On a machine for type writing," by John Pratt, 384
- 21st Meeting:—"On recent inventions in military breech-loading small-arms in Europe and America, particularly in the United Kingdom and the United States," by Capt. O'Hea, 400
- 22nd Meeting:—"On the machinery for cutting, tunnelling, quarrying, and facing slate, stone, and marbles," by W. Fothergill Cooke, 419
- 23rd Meeting:—"On the water supply of the metropolis in relation to the conservancy of the Thames and its tributaries, and the demands of the water companies," by J. Bailey Denton, 466
- Mege-Mouries' process of grinding and dressing corn, 395
- Melbourne, banking at, 303; intercolonial exhibition, 85, 233, 619; imports, &c., 186, 655; gold, 691
- Memorials of eminent men. [See "Tablets"]
- Mercantile marine legislation, &c., by Capt. Henry Toynbee, 122; J. Searth, 155
- Merchant navy of Norway, Sweden, and Denmark, 91
- seamen, letter by John Searth, 155
- Meteorograph at the Paris Exhibition, 615
- Metric system, the, 201
- Milk, preservation of, 391; concentrated, 427; Liebig's artificial, 493
- Mineral products of Spain, 138
- statistics for 1866, Mr. Robert Hunt's report, 667
- waters, 105
- Miniatures, portrait, 153
- Mining education in Germany, 113
- school at St. Etienne, 771
- Mitchell, J., on a new mode of constructing the surfaces of streets, 735
- Money-orders, international, 411
- Mont Cenis tunnel, 411, 740
- Montagu, Lord Robert, M.P., *chairman* (water supply), 216
- Mosaics, South Kensington Museum, 32
- letter by H. W. Reveley, 61
- Moscow, public instruction at, 107
- Moxon, Mr., *disc.* (limited liability), 28
- Mulberry tree, cultivation of the, 81
- Mulhouse Society for preventing accidents in factories, 654
- Munich, the standard pitch of, 140
- Murray, Alex., report on the mineral resources of Newfoundland, 705
- Murray, A., work on mammals, 168
- Murray, river, improvement of the, 34, 642
- Museum, the India, 140
- of science and art at Bethnal-green, 35
- practical geology, 139
- , Gallo-Roman, at St. Germain, 460
- , South Kensington, recent changes in, 461
- , ceramic, Limoges, 580
- of the archives of France, 595, 705
- city of Paris, 184, 607
- Museums, new, in France, 104
- Music, encouragement of, in France, 690
- and musical instruments, John Hullah, 241, 254, 274, 291, 306, 325, 382, 397
- Musical education, 527; papers by Sir F. G. Ouseley and Rev. T. Helmore, 719
- pitch, 140
- N.
- Natal and Mauritius as sugar-producing countries, 579
- horses for India, 617
- coal and iron, 702
- copper, 703
- National gallery, designs for the new, on view, 107, 267
- , recent additions, 168, 769
- , report of Mr. Bozall, 268
- , enlargement, 33
- National gallery, photographs of pictures in the 163, 166
- , supplementary estimates for designs for, 232
- portrait gallery, 105
- Neate, Mr., *disc.* (water supply), 474
- Nelson column, 166
- Nests, artificial birds', 35
- New Caledonia commerce, 554
- Newfoundland, mineral resources of, by Alex. Murray, 705
- Newton, W. E. (dwellings), 314, 317
- New South Wales, 34, 82, 119, 139, 186, 233, 250, 269, 360, 390, 463, 510, 531, 595, 606, 642
- Newspaper, the oldest in Europe, 94
- New Zealand coal, 186, 728, 750
- Nice, tobacco manufactory at, 90
- Nicholay, J. A., *disc.* (old London), 60
- Nichols, J. S., *disc.* (art-workmanship), 162
- Nicholson, Adml. Sir F., *disc.* (water supply), 215
- Nitroglycerine for blasting, 94
- , experiments with, 733
- North Australia, 107, 186
- Australian exploration, 34, 715
- Norway, manufactures in, 702
- , steam navigation in, 82
- , Sweden, and Denmark, merchant navy of, 91
- Norwegian herring fishery, the, 185
- Nova Scotia statistics, 371
- Nurse, Mr., *disc.* (breech-loading arms), 405
- Nutmeg, the, 285
- O.
- OBITUARY NOTICES:—
- Baxter, George, 154
- Bethell, John, 285
- Bonelli, Gaetano, 751
- Cousin, Victor, 155
- Donaldson, Sir A. S., 139
- Faraday, Prof., 643
- Gavarni, M., 34
- Guy, Joseph, 155
- Hereford, Dean of, 269
- Hittorf, M., 351
- Howe, Elias, 783
- Huish, Capt., 155
- Ingres, Jean Auguste D., 168
- Martin, Thomas, 233
- Phillips, Sir Thomas, Q.C., 494
- Rayer, M., 679
- Smart, Sir George, 234
- Smirke, Sir Robert, R.A., 371
- Velpeau, Dr., 655
- Vidi, M., 67
- Wrottesley, Lord, 751
- O'Hea, Capt., on breech-loading small-arms, 400
- Olive oil in the island of Sardinia, 50
- Omaney, Admiral, *disc.* (storm signals), 246
- Orphan Asylum of the Prince Imperial, 83
- Orpheonists, the, 155
- Ostend, the trade of, 91
- Otago, the province of, 727
- Oyster culture, Harry Lobbs, 276
- Oysters and fish in France, 268
- P.
- Page, Mr., *disc.* (art-workmanship), 162
- Palmer, Sir Roundell, *chairman* (limited liability), 21
- Palmer, F., *disc.* (old London), 60
- Pankhurst, Dr., *disc.* (limited liability), 27
- Paper, albumenized, 726
- , manufacture in Russia, 702
- , Swedish filtering, 727
- Paris, art and art-education in, 104
- , college of applied art, 462
- , parks, 108
- , the budget of the city of, 267
- , public works executed in, during the present year, 80
- , the new museum of the city of, 184
- , restoration of ancient edifices in, 492
- , public gardens in, 619
- , charity in, 631
- , opera house, 656, 678
- , transformations in, 692
- , price of land in, 703
- , exhibition, 1867, see "Exhibition"
- Pau, exhibition at, 184
- Pauperism in New South Wales, 139
- Payne, J. B., on memorial tablets, 752
- Pearce, Mr., *disc.* (storm signals), 248
- Pearl fishery, the Tinnevely, by Clements R. Markham, 256
- Pears, price of, 19
- Pearsall, Mr., *disc.* (marine legislation), 130
- Pennell, Cholmondeley, *disc.* (oyster culture), 279
- Pernambuco, exhibition at, 95
- Peru, sugar in, 154
- Peruvian silver mines, 50
- Phillips, J. A., book on mining, 139
- Phillips, R. N., *disc.* (dwellings), 315
- Phillips, Sir Thomas, *chairman* (opening meeting), 1; (report on art-workmanship), 159; *disc.* (Indian architecture), 79
- , announcement of death of, 441; resolutions of Council relative to, 465; obituary, 494
- Photographs of pictures in the National Gallery, 153, 166
- Piassatoo fibre, 33
- Pickling vegetables, new system of, 81
- Pine apples, the first in England, 139
- Pompeii, excavations at, 739
- Pneumatic despatch at Paris, 351
- Porcelain, Lowestoft, 49, 511
- Portfolio stand, McLauchlan's, 333
- Portrait exhibition, national, 153, 285, 553
- gallery, national, 105
- Portraits, historical, exhibition of, in Paris, 232
- Portrait miniatures, 153
- Post-office savings bank system at Victoria, 139
- Potatoes or fruit, economical way of preserving, 119
- Postal communication, the economy of telegraphy as part of a public system of, by Edwin Chadwick, C.B., see "Telegraph"
- , colonial, 463
- Pottery and porcelain, lectures by W. Chaffers. [See "Chaffers."]]
- Pratt, John, on type-writing, 384
- Price, Mr., *disc.* (cattle), 47
- Prize in fine arts, awarded to Félicien David, 654
- Prizes of the Society:—Educational, see "examinations;" for art-workmen, see "art-workmanship;" see also "harvesting corn"
- , offered by the industrial society of Lyons, 631
- Prud'hommes, the system of, 627
- Q.
- Queensland, 82, 107, 139, 250, 269, 350, 390, 479, 494, 571, 580, 595, 606, 618, 739, 763
- Quinine, artificial, Wentworth L. Scott, 19
- , E. C. C. Stanford, 35
- R.
- Railway carriages, Russian, 30, 170
- , improved in France, 701
- , footboards for, 619
- , management, a foreigner's view of English, 182
- , reform, telegraphic and parcel post, E. Chadwick, 720
- , travelling, American, 187
- , tunnels, air in, report of Dr. Bachhoffner, Dr. Letheby, &c., 760
- Railways, report of Royal Commission, 425
- , German, the iron permanent way, in use on, by T. A. Rochussen, 142, 187
- , in Victoria, 107, 186
- , and telegraph, Canadian, 94
- Ratisbon, Cathedral, 157, 166
- Rawlinson, R., *disc.* (old London), 59; *disc.* (Indian architecture), 78; water supply, 473
- Read, C. S., M.P., *chairman* (trade in foreign cattle), 48
- Recruiting and education, 48
- Reddie, Mr., *disc.* (marine legislation), 130
- Reed, E. J., *disc.* (zinc sheathing), 368
- Registration Scholastic Association, annual general meeting of the, 108, 571, 704
- Report, the secretary's, read to the conference, 499
- , the council's, 523
- Reports of visiting officers, 502

Reveley, H. W., letters on mosaics, 51;
water supply, 234, 270, 495
Revenue and trade of 1866, 727
Rhubarb and henbane, English, R. Usher,
282
Rifles, &c., breech-loading, Capt. O'Hea, 400
Riga flax in Algeria, 268
Rigby, Mr., *disc.* (breech loading arms), 406
Road, foundations and surfaces, &c., W.
Bridges Adams, 712
—, system in France, 679
Robinson, Mr., *disc.* (dwellings), 315
Rochussen, T. A., the iron permanent way
in use on German railways, 142, 187
Rome, art in, 184
Roney, Sir Cusack, *disc.* (cabs), 179
Root crops in Victoria, 186
Rouen Exhibition, 104
Royal Academy, 33, 65
Rudkin, Mr. *disc.* (cattle), 46
Russia at the Paris Exhibition of 1867, 165
—, sugar manufacture in, 167
Russian railways, 30, 170
—, ports, shipping in, 107
—, scientific societies, 411
—, telegraphs, 155

S.

Saccharometer, the use of, 727
Safes, trials of, at Paris, 630
Salmon in Australia, 510
Salt works in France, 154
Sanders, C., *disc.* (cabs), 178
Sandwich Islands, trade of, 702
Sardinia, olive oil in, 50; coral in, 106
Savings banks, history of, W. Lewis, 92
Searth, John, letter on merchant seamen, 155
Scholastic registration association, 108, 571,
704
Scott, Col., *disc.* (Indian architecture), 77
—, G. Gilbert, *chairman* (old London), 53
—, Rev. John, *disc.* (marine legislation),
128
—, Wentworth, L., artificial quinine, 19
Soudamere, Mr., *disc.* (telegraphy), 229
Seamen, deposit bank for, 119
Selwyn, Capt. J., R.N., *disc.* (limited li-
ability), 29; (storm signals), 247; (breech-
loading arms), 405
Semaphores and telegraphy, coast, 34
Sericulture in Austria, 118; do. in Syria, 90
Sewerage of Paris, 668
Shaftesbury, Lord, *chairman* (dwellings for
the working classes), 308
Sharp, S., *disc.* (dwellings), 317
Sheep, feeding, new method of, 771
Shipbuilding in California, 66
Shipping in Russian ports, 107
Ship's course, register of, 139
Ships, iron, zinc sheathing for, by S. J.
Mackie, 359
—, fouling and corrosion of, work
by C. F. T. Young, 644
—, building at Dundee, H. Gour-
lay, 699
Shipwrecks, statistics of, 680
Sidney, S., *disc.* (limited liability), 27;
(cattle), 46
Siemens, C. W., *chairman* (sheathing of iron
ships), 359
Silk plant, 571
—, the *Bombyx cynthia*, 746
—, trade and the French treaty, 763
Silver mines, Peruvian, 60
Simmonds, P. L., the British colonies at the
Paris Exhibition, 110, 169
Simpson, J. H., the government and the
telegraph, 251
Slate and stone-cutting machinery, W.
Fothergill Cooke, 419, 439
Smart, Sir George, notice of the late, 234
Smirke, Sir Robert, *obituary*, 371
Smoke-consumption in the Potteries, 652
Sorghum, cultivation of in France, 750
South Australia, exports of, 51; statistics of,
66, 107; mining, 618; progress of, 655;
land in, 727; drought in, 763
Southern Counties Association, 218, 285
Spain, mineral products of, 138
—, university education in, 19
Spectacles, the manufacture of, 81
Stamps, payment of fees by, 80

Stanford, E. C. C., on artificial quinine, 35
Steam engines, the value of, exported, 33
—, for roads, 543
—, ferry across Lake Constance, 235
—, navigation in Norway, 82
—, ploughing in France, 749
Steel works, Krupp's, 31
Stockholm, joiners' work from, 94
Storm signals, 155
—, and forecasts, by Christopher
Cooke, 242, 119; T. H. Farrer, 67; R. H.
C. Wilson, 96; W. H. Sykes, 271
Strachan, R., *disc.* (storm signals), 248
Streets, constructing surfaces of, by Joseph
Mitchell, 735; by Bridges Adams, 712
Suez canal, 650, 664
Sugar, German, reported adulteration of, 184
—, from beet. [See "Beet."]
—, consumption of, 118
—, for brewers, 105
—, from starch, 510
—, in Natal and Mauritius, 578
—, in Queensland, 618
—, in Peru, 154
—, manufacture in Russia, 167; do. in
the West Indies, 117
—, making, Knaggs' new process, 678
Sutton's Dictionary of Photography, 186
Sweden, Norway, and Denmark, merchant
navy of, 91
Swedish filtering paper, 727
—, industry at exhibitions, 690; manu-
factures, 691
Switzerland, the co-operative system in, 184
—, and Germany, popular educa-
tion in, 151
Sydney agricultural exhibition, 643
—, intercolonial exhibition, 51
Sykes, Colonel W. L., *chairman* (storm
signals), 242; letter on, 271
Syria, sericulture in, 90

T.

Tablets, memorial, lists of names worthy of
record, and tablets erected, 526, 669, 681,
717, 741, 752, 753
Tasmania, coal in, 138; iron in, 118; harvest,
510; hops, 531; statistics, 770
Tchouf, commerce and industry of, 90
Tea, artificially coloured, 303; cultivation in
India, 349, 410; in Ceylon, 739; cultiva-
tion in Australia, 91; broken leaf, 34
—, trade, the condition of the, 19
Technical education. [See "Education."]
Telegraph, the electric, 35
—, new to India, 715
—, and parcels post, E. Chadwick,
287, 720
—, the Government and the, letter
by J. H. Simpson, 251
Telegraphic despatch stamps in France, 715
Telegraphs and railways, Canadian, 94
—, Russian, 155
Telegraphy, on the economy of, as part of a
public system of postal communication, by
E. Chadwick, C.B., 222
Telegraphy and semaphores, coast, 34
Telescope, submarine, 656
Teulon, Seymour, *disc.* (marine legislation),
130, 228
Texas, supply of food from, Thomas Affleck,
164
Textile fabrics in Paris Exhibition, 529
Thudichum, Dr., evidence before the food
committee, 237
Tissue paper as a substitute for lint, 19
Tobacco, consumption of, in France, 749
—, manufactory at Nice, 90
—, at the Cape of Good Hope, 729
Tournalline, red, 751
Towle, Mr., *disc.* (water supply), 474
Toynbee, Capt. Henry, mercantile marine
legislation as affecting the number and
efficiency of British seamen, 122
—, *disc.* (storm signals), 247
Tracy, Mr. *disc.* (pearl fishery), 561
Tube, Capt., *disc.* (marine legislation), 130
Turkey, agricultural produce in, 50
Twining, Thos., *chairman* (type writing),
384
Type-writing, by John Pratt, 384
—, cleaning, 771

U.

United States and the Paris Exhibition, 187
Usher, R., on English rhubarb, &c., 282

V.

Varley, C. *disc.* (iron permanent way), 148;
(storm signals), 247
—, C. F. *disc.* (slate cutting), 424
Vegetables, new system of pickling, 81
Venice, manufactures of, 154
—, glass works, 758
Victoria, protection in, 51; agriculture in,
67, 607, 692, 739; prices of food in, 168;
railways in, 107, 186, 763; post-office
savings bank system at, 139; colonisation
of, 154; population of, 186; custom duties
in, 186; root crops in, 186; wheat from,
269; border duties, 350; wine growing in,
351; finance, 371; grain produce, 494;
rating in, 531; education, 607; state of,
654; trade of, 715; Royal Society of, 751
Vidi, M., notice of the late, 67
Vignoles, C., *chairman* (iron permanent
way), 142
Vine growing in Australia, 667
Voelcker, Prof., *disc.* (water supply), 473

W.

Wages and workmen in France, report of Mr.
Julian Fane, 605
Watchmaking at Besancon, 268, 593
Water question, work by J. B. Denton, 199
Water supply of London as it affects the in-
terest of the consumers, by Thos. Beggs,
208; letters on, by H. W. Reveley, 234,
270, 495; W. Botly, 235, 496
—, of metropolis, J. Bailey Denton,
466, 495, 595
—, of Paris, 680, 715
Waters, mineral, 105
Water in New South Wales, 119
Watson, Dr. F., on the costumes of India,
169
Weaving convex work, loom for, 630
Webber, Mr., *disc.* (cattle), 48; (cabs), 178;
(illuminating), 197; (telegraphy), 227
Webster, T., Q.C., *chairman* (water supply),
466
Wellington monument, St. Paul's, 232
West Australia, products of, 186
Wheat from Victoria, 269
White, G., *disc.* (illumination), 196
White, H. C., condition of the tea trade, 19
Whitmore, Dr., *disc.* (water supply), 215
Wigram, Clifford, *chairman* (cables and
anchors), 327
Wilson, G. F., *chairman* (pearl fishing),
262
Wilson, John C., *disc.* (flax), 298, 320
Wilson, R. H. C., on storm signals, 96, 246
Wine in Australia, 351, 642
Wines, exhibition of, at Alessandria, 739
—, manufacture of in France, 106
Wood, Mr., *disc.* (flax), 299
Woodley, Mr., *disc.* (cattle), 47
Wool imports, 66, 218, 770
—, production of in the Argentine Re-
public, 66
—, trade, the, 138, 543
Working classes, dwellings for the, 218
Wright, Mr., *disc.* (pearl fishery), 260
Wyld, Dr. George, letter on cabs, &c., 218
Wrottesley, Lord, *obituary* of, 751

Y.

Young, C. F. T., on flax and its preparation,
293
—, *disc.* (zinc sheathing), 367
—, fouling of iron ships, 644